

05/14/2010

Attorney Docket No. 9778-3

Application No. 10/565,799

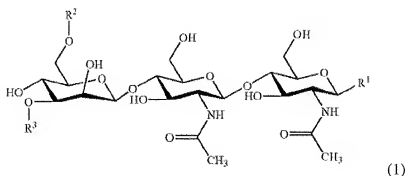
Filed: January 26, 2006

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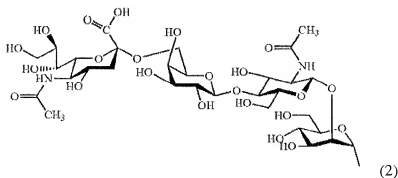
IN THE CLAIMS:

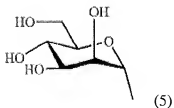
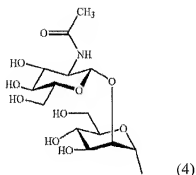
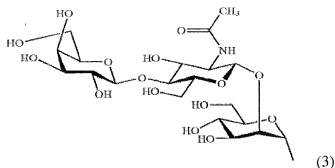
1-3. (Canceled).

4. (Previously Presented) A glycopeptide comprising an aminated complex-type oligosaccharide of the formula (1)



wherein R^1 is $-NH-(CO)-CH_2X$, X being a halogen atom, R^2 and R^3 are a hydrogen atom or a group of the formulae (2) to (5) and may be the same or different, except that R^2 and R^3 are not both hydrogen or the formula (5) at the same time and when one of R^2 and R^3 is hydrogen, the other is not the formula (5),





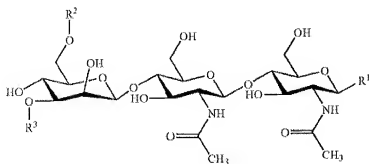
wherein the glycopeptide has about 12 times higher resistance to Peptide-N Glycosidase F (PNGase F) than a glycopeptide comprising an asparagine-linked oligosaccharide, and the aminated complex-type oligosaccharide binds to a thiol group of a peptide by displacement of halogen X of $\text{NH}-(\text{CO})-\text{CH}_2\text{X}$.

5. (Canceled).
6. (Original) A glycopeptide as defined in claim 4 wherein the glycopeptide is an antibody.
7. (Previously Presented) A process for preparing a uniform glycopeptide composition

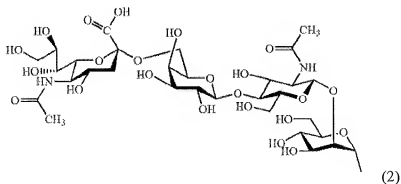
comprising steps of (a) and (b) that are performed at the same time,

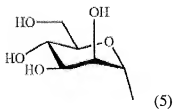
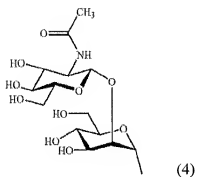
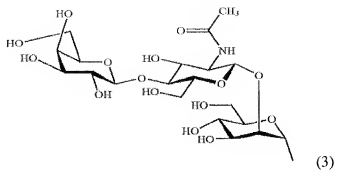
(a) cleaving an asparagine-linked oligosaccharide of a glycopeptide from a peptide by Peptide-N Glycosidase F (PNGase F), wherein the resulting peptide has a thiol group, and

(b) bonding an aminated complex-type oligosaccharide of the formula (1)



wherein R^1 is $-NH-(CO)-CH_2X$, X being a halogen atom, R^2 and R^3 are a hydrogen atom or a group of the formulae (2) to (5) and may be the same or different, except that R^2 and R^3 are not both hydrogen or the formula (5) at the same time and when one of R^2 and R^3 is hydrogen, the other is not the formula (5),





to the thiol group of the resulting peptide by displacement of halogen X of $\text{-NH-(CO)-CH}_2\text{X}$.

8. (Canceled).